

Rabbit anti-Human EPHA7 Polyclonal Antibody | anti-EPHA7 antibody

EPHA7 Antibody

CATALOG # AAA229986	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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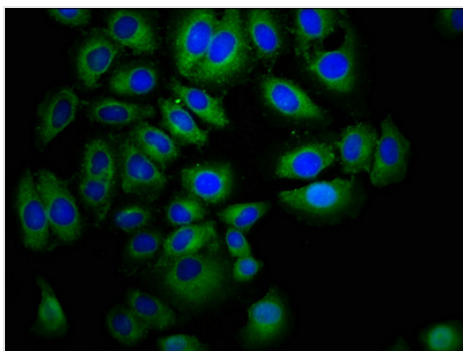
PRODUCT SYNONYMS

EPHA7; Polyclonal Antibody; EPHA7 Antibody; Ephrin type-A receptor 7; EPH homology kinase 3; EHK-3; EPH-like kinase 11; EK11; hEK11; EHK3; HEK11; anti-EPHA7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%,Protein G purified
Form/Format	Liquid
Sequence Length	993
Applicable Applications for anti-EPHA7 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant human Ephrin type-A receptor 7 protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-1015 / sc-25459 / sc-918
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of A549 cells with AAA229986 at 1:400, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human breast cancer using AAA229986 at dilution of 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-EPHA7 antibody	Receptor tyrosine kinase which binds promiscuously GPI-anchored ephrin-A family ligands residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. The signaling pathway downstream of the receptor is referred to as forward signaling while the signaling pathway downstream of the ephrin ligand is referred to as reverse signaling. Among GPI-anchored ephrin-A ligands, EFNA5 is a cognate/functional ligand for EPHA7 and their interaction regulates brain development modulating cell-cell adhesion and repulsion. Has a repellent activity on axons and is for instance involved in the guidance of corticothalamic axons and in the proper topographic mapping of retinal axons to the colliculus. May also regulate brain development through a caspase(CASP3)-dependent proapoptotic activity. Forward signaling may result in activation of components of the ERK signaling pathway including MAP2K1, MAP2K2, MAPK1 AND MAPK3 which are phosphorylated upon activation of EPHA7.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	568599847
NCBI GeneID	2045
NCBI Accession #	NP_001275558.1
NCBI GenBank Nucleotide #	NM_001288629.1
UniProt Accession #	Q15375; Q59G40; Q5VTU0; Q8N368; Q9H124; A0AUX7; B2R8W1; B7ZLJ9; B7ZLK0
Molecular Weight	50,521 Da
NCBI Official Full Name	ephrin type-A receptor 7 isoform 2
NCBI Official Synonym Full Names	EPH receptor A7
NCBI Official Symbol	EPHA7
NCBI Official Synonym Symbols	EHK3; EK11; EHK-3; HEK11
NCBI Protein Information	ephrin type-A receptor 7
UniProt Protein Name	Ephrin type-A receptor 7
UniProt Gene Name	EPHA7
UniProt Synonym Gene Names	EHK3; HEK11; EHK-3; EK11; hEK11
UniProt Entry Name	EPHA7_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/epha7-antibody-immunohistochemistry-elisa/229986>